

List of All Chemicals

P Simarouba amara (Simaroubaceae)

Common name(s)

Simaruba Bark

How used

Medicinal

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Plant Part	Low PPM	High PPM	StdDev	*Reference
13,18-DEHYDROGLAUCARUBINE	Bark	--	--		*
2'-ACETYLGLAUCARUBINE	Bark	--	--		*
2'-ACETYLGLAUCARUBINONE	Bark	--	--		*
21,20-ANHYDROMELIANONE	Bark	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.
3,21-DIOXO-TIRUCALLA-7,24-DIENE	Bark	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.
5-HYDROXYCANTHIN-6-ONE	Bark	--	--		*
ALKALOIDS	Bark	5000.0	8000.0	-0.78	*
EO	Bark	1000.0	1800.0	-0.81	*
MELIANONE	Bark	--	--		*
OXO-3-TIRUCALLA-7,24-DIENE	Bark	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.
RESIN	Bark	--	--		*
SIMAROLIDE	Bark	--	--		*
SIMARUBIDIN	Bark	--	500.0		*
SIMARUBIN	Bark	--	10000.0		*
SIMARUBOLIDE	Bark	--	--		*
TANNIN	Bark	200000.0	270000.0	1.13	*

Activities (35)

Anthelmintic

AntiHIV

Antibacterial

Anticancer

Anticariogenic

Antidiarrheic

Antidysenteric

Antihepatotoxic

Antihypertensive

Antilipolytic

Antimutagenic

Antinephritic

Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990.

Antiophidic

Economic & Medicinal Plant Research, 5: 363.

Antioxidant

IC50=1.44 ug/ml

Antioxidant 1/3

quercetin

Antiradicular 500 mg/kg/day orl mus

Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990.

Antiradicular 1/3

quercetin

Antitumor	
Antitumor-Promoter	
Antiulcer	
Antiviral	
Cancer-Preventive	HerbalGram No. 22 - Spring 1990, page 14.
Carcinogenic	
Chelator	
Cyclooxygenase-Inhibitor	
Glucosyl-Transferase-Inhibitor	
Hepatoprotective	
Immunosuppressant	
Lipoxygenase-Inhibitor	
MAO-Inhibitor	
Ornithine-Decarboxylase-Inhibitor	
Pesticide	
Psychotropic	Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. Chem. Pharm. Bull. 38(4): 1049-1052, 1990.
Xanthine-Oxidase-Inhibitor	

TIRUCALLA-7,24-DIENE-3,21-DIONE Plant -- -- *

TIRUCALLA-7,24-DIENE-3-ONE Plant -- -- *